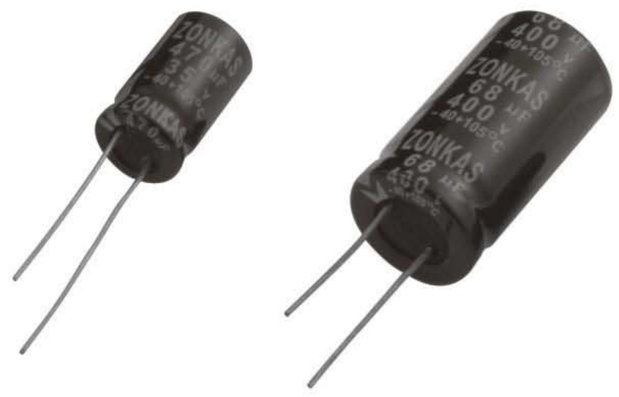
NON-POLAR RADIAL CAPACITORS -40℃~105℃ 1000HR

NPH Series Non-polar 105℃ (BP) 無極性標準品



Features

- NP(BP) Series for crossover networks of high-pitched, mean and low-pitched sounds in high-fidelity sound systems.
- The series offers excellent frequency characteristics and minimal capacitance deviation with frequency.

Specifications

No	Item	Performance Characteristics	
1	使用温度範圍 Operating Temperature Range	-40 to + 105℃	-25 to + 105℃
2	定格電壓範圍 Rated Voltage Range	10 to 100 VDC	160 to 250 VDC
3	靜電容量範圍 Capacitance Range	0.47 to 10000 μF	0.47 to 470uF
4	靜電容量容許差 Capacitance Tolerance	±20%(120Hz, +20℃)	
5	漏電電流 Leakage Current(+20℃,max)	I ≤0.03 CV or 3(μA) After 1 minute Whichever is greater measured with rated working voltage applied.	
6	損失角 Dissipation Factor(tanδ)	Working Voltage (VDC): 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 100 D.F. (%)Max: 25 / 25 / 20 / 15 / 15 / 13 / 10 / 10 Working Voltage (VDC): 160 / 200 / 250 D.F. (%)Max: 15 / 15 / 20 (+20℃,at 120Hz)	
7	温度特性 Low Temperature Characteristics (120Hz)	Impedance ratio max. Working Voltage (VDC): 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 100 Z-25℃/Z+20℃: 4 / 3 / 2 / 2 / 2 / 2 / 2 / 2 Z-40℃/Z+20℃: 8 / 6 / 4 / 3 / 3 / 3 / 3 / 3 Working Voltage (VDC): 160 / 200 / 250 Z-25℃/Z+20℃: 2 / 2 / 3	
8	高温負荷特性 Load Life	Test conditions Duration time :1000Hrs Ambient temperature :+105℃ Applied voltage :Rated DC working voltage 5.Each 250 hours, we will reserve the terminal and test the characteristics. After test requirements at+20℃ Capacitance change :≤ ±20% of the initial measured value Dissipation factor :≤ 150% of the initial specified value Leakage current :≤The initial specified value	
9	高温無負荷特性 Shelf Life	Test conditions Duration time :1000Hrs Ambient temperature :+105℃ Applied voltage :None After test requirements at +20℃ : Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.	

Multiplier for Ripple Current vs. Frequency

CAP(μF)\Hz		50(60)	120	400	1K	10K
Multiplier	CAP≤47	0.8	1	1.30	1.60	2.00
	100<CAP≤470	0.8	1	1.23	1.40	1.60
	1000<CAP≤10000	0.8	11	1.16	1.20	1.20

Multiplier for Ripple Current vs. Temperature

Temperature℃	45	60	70	85	95	105
Multiplier	2.10	1.90	1.65	1.40	1.25	1.00